

Title (en)
ABSORBENT MATERIAL

Title (de)
ABSORBIERENDES MATERIAL

Title (fr)
MATÉRIAUX ABSORBANTS

Publication
EP 4103318 A4 20240501 (EN)

Application
EP 21753137 A 20210212

Priority
• AU 2020900430 A 20200214
• NZ 2021050017 W 20210212

Abstract (en)
[origin: WO2021162559A1] The present invention relates to an absorbent material, the absorbent material comprising: a matrix formed from a fibrous material and one or more polymerised binder reagents. The present invention further relates to a method for producing an absorbent material, the method comprising the steps of: combining a feedstock comprising fibrous material with one or more binder reagents; and introducing the feedstock into an agglomeration apparatus in the presence of a polymerisation activator to produce the absorbent material.

IPC 8 full level

B01J 20/24 (2006.01); **B01J 20/10** (2006.01); **B01J 20/12** (2006.01); **B01J 20/20** (2006.01); **B01J 20/28** (2006.01); **B01J 20/30** (2006.01);
C02F 1/28 (2023.01); **C02F 1/40** (2023.01); **C09K 3/32** (2006.01); **C02F 101/34** (2006.01); **C02F 101/38** (2006.01)

CPC (source: AU EP KR US)

B01J 20/10 (2013.01 - EP); **B01J 20/12** (2013.01 - EP KR); **B01J 20/165** (2013.01 - EP KR); **B01J 20/20** (2013.01 - EP KR);
B01J 20/24 (2013.01 - AU EP KR US); **B01J 20/26** (2013.01 - EP); **B01J 20/261** (2013.01 - EP KR US); **B01J 20/262** (2013.01 - EP KR);
B01J 20/264 (2013.01 - EP); **B01J 20/28004** (2013.01 - EP KR); **B01J 20/28023** (2013.01 - AU EP KR US); **B01J 20/28026** (2013.01 - EP US);
B01J 20/2803 (2013.01 - AU EP KR US); **B01J 20/28088** (2013.01 - EP KR); **B01J 20/3028** (2013.01 - EP KR);
B01J 20/3042 (2013.01 - EP KR US); **B01J 20/3085** (2013.01 - EP US); **C02F 1/285** (2013.01 - KR); **C02F 1/286** (2013.01 - KR US);
C02F 1/288 (2013.01 - AU EP KR US); **C02F 1/40** (2013.01 - KR); **C02F 1/682** (2013.01 - AU KR); **C09K 3/32** (2013.01 - EP);
B01J 2220/445 (2013.01 - AU KR); **B01J 2220/46** (2013.01 - EP KR); **B01J 2220/4825** (2013.01 - AU EP KR); **B01J 2220/4831** (2013.01 - EP KR);
B01J 2220/4887 (2013.01 - AU KR); **C02F 1/285** (2013.01 - EP); **C02F 1/286** (2013.01 - EP); **C02F 1/40** (2013.01 - EP);
C02F 2101/32 (2013.01 - AU KR US); **C02F 2101/34** (2013.01 - EP KR); **C02F 2101/36** (2013.01 - AU KR US); **C02F 2101/38** (2013.01 - EP KR);
C02F 2103/26 (2013.01 - AU KR); **Y02A 20/204** (2018.01 - EP KR)

Citation (search report)

- [Y] WO 2018176107 A1 20181004 - PELLETON GLOBAL RENEWABLES LTD [GB], et al
- [Y] EP 2058365 A1 20090513 - PARK BYUNG-HOON [KR], et al
- [X] US 6294118 B1 20010925 - HUBER WERNER [DE], et al
- [X] EP 0039522 A2 19811111 - KOK CORNELIS JACOBUS M
- [X] US 2003186052 A1 20031002 - CREWS JERRY W [US], et al
- See also references of WO 2021162559A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2021162559 A1 20210819; AR 121328 A1 20220511; AU 2021219562 A1 20220901; BR 112022016106 A2 20221206;
CA 3167929 A1 20210819; EP 4103318 A1 20221221; EP 4103318 A4 20240501; JP 2023538161 A 20230907; KR 20230004442 A 20230106;
MX 2022009859 A 20221107; US 2023241580 A1 20230803

DOCDB simple family (application)

NZ 2021050017 W 20210212; AR P210100370 A 20210212; AU 2021219562 A 20210212; BR 112022016106 A 20210212;
CA 3167929 A 20210212; EP 21753137 A 20210212; JP 2022549169 A 20210212; KR 20227031116 A 20210212; MX 2022009859 A 20210212;
US 202117904246 A 20210212